
[Return to the USPTO NPL Page](#) | [Help](#)

Basic

Advanced

Topics

Publications

 My Research
0 marked items

Interface language:

English

Databases selected: Multiple databases...

Results – powered by ProQuest® Smart Search**Suggested Topics** [About](#)< Previous | [Next](#) >**Browse Suggested Publications**< Previous | [Next](#) >[Regression analysis](#)[Regression analysis AND Statistics](#)[Regression analysis AND Research](#)[Regression analysis AND Mathematical models](#)[Microwave Journal; International ed.](#)[Journal of the American Statistical Association;](#)[Alexandria](#)[Journal of Leisure Research; Arlington](#)11 documents found for: *TEXT(svd) AND TEXT(constraint) AND (nonlinear)* >> [Refine Search](#) | [Set Up Alert](#)

Scholarly Journals

☐ Mark all 0 marked items: Email / Cite / Export

☐ Show only full text
Sort results by: [Most recent first](#)

-
- ☐ 1. **[On the Convergence of a Trust-Region Method for Solving Constrained Nonlinear Equations with Degenerate Solutions; \[1\]](#)**
X. J. Tong, L. Qi. *Journal of Optimization Theory and Applications*. New York: Oct 2004. Vol. 123, Iss. 1; p. 187
 [Page Image - PDF](#) [Abstract](#)
-
- ☐ 2. **[The Sensitivity and Stability of the Ocean's Thermohaline Circulation to Finite-Amplitude Perturbations](#)**
Mu Mu, Liang Sun, Henk A Dijkstra. *Journal of Physical Oceanography*. Boston: Oct 2004. Vol. 34, Iss. 10; p. 2305 (11 pages)
 [Full text](#) [Abstract](#)
-
- ☐ 3. **[Wave propagation in inhomogeneous layered media: solution of forward and inverse problems](#)**
A. Chakraborty, S. Gopalakrishnan. *Acta Mechanica*. Wien: May 2004. Vol. 169, Iss. 1-4; p. 153
 [Page Image - PDF](#) [Abstract](#)
-
- ☐ 4. **[STRSCNE: A Scaled Trust-Region Solver for Constrained Nonlinear Equations](#)**
Stefania Bellavia, Maria Macconi, Benedetta Morini. *Computational Optimization and Applications*. Boston: Apr 2004. Vol. 28, Iss. 1; p. 31
 [Article image - PDF](#) [Abstract](#)
-
- ☐ 5. **[Robust Solution to Fuzzy Identification Problem with Uncertain Data by Regularization](#)**
Mohit Kumar, Regina Stoll, Norbert Stoll. *Fuzzy Optimization and Decision Making*. Dordrecht: Mar 2004. Vol. 3, Iss. 1; p. 63
 [Article image - PDF](#) [Abstract](#)
-
- ☐ 6. **[The Ensemble Kalman Filter: theoretical formulation and practical implementation](#)**
Geir Evensen. *Ocean Dynamics*. Berlin: Nov 2003. Vol. 53, Iss. 4; p. 343
 [Page Image - PDF](#) [Abstract](#)
-

7. **Local Convergence of a Primal-Dual Method for Degenerate Nonlinear Programming**
Luis N. Vicente, Stephen J. Wright. Computational Optimization and Applications. Boston: Sep 2002. Vol. 22, Iss. 3; p. 311
[Article image - PDF](#) [Abstract](#)
-
8. **Comparing regularized and non-regularized nonlinear dipole fit methods: A study in a simulated sulcus structure**
C H Wolters, R F Beckmann, A Rienacker, H Buchner. Brain Topography. New York: Fall 1999. Vol. 12, Iss. 1; p. 3
[Full text](#) [Citation](#)
-
9. **Optimal Portfolio Hedging with Nonlinear Derivatives and Transaction Costs**
Jussi Keppo, Samu Peura. Computational Economics. Dordrecht: Apr 1999. Vol. 13, Iss. 2; p. 117
[Article image - PDF](#) [Abstract](#)
-
10. **Parallel proximal decomposition algorithms for robust estimation**
M L Bougeard, C D Caquineau. Annals of Operations Research. Basel: 1999. Vol. 90; p. 247
[Full text](#) [Abstract](#)
-
11. **Assessing the reliability of statistical software: Part I**
B D McCullough. The American Statistician. Alexandria: Nov 1998. Vol. 52, Iss. 4; p. 358 (9 pages)
[Text+Graphics](#) [Page Image - PDF](#) [Abstract](#)


1-11 of 11

Want to be notified of new results for this search? [Set Up Alert](#) ☒Results per page: Did you find what you're looking for? If not, [refine your search](#) below or try these suggestions.**Suggested Topics** [About](#)< Previous | [Next](#) >**Browse Suggested Publications**
[About](#)< Previous |
[Next](#) >[Regression analysis](#)[Regression analysis AND Statistics](#)[Regression analysis AND Research](#)[Regression analysis AND Mathematical models](#)[Microwave Journal; International ed.](#)[Journal of the American Statistical Association;](#)[Alexandria](#)[Journal of Leisure Research; Arlington](#)**Advanced Search**Tools: [Search Tips](#) [Browse Topics](#) [1 Recent Searches](#)

svd	Document text
AND	constraint
AND	nonlinear
	Citation and abstract

[Add a row](#) | [Remove a row](#) [Search](#) [Clear](#)

Database: [Select multiple databases](#)Date range:

Limit results to: ☐ Full text documents only 

☐ Scholarly journals, including peer-reviewed  [About](#)

[More Search Options](#)

Copyright © 2006 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)

[Text-only interface](#)




[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

 Terms used **singular value decomposition constraint nonlinear**

 Found **214** of **176,279**

Sort results by


[Save results to a Binder](#)
[Try an Advanced Search](#)

Display results


[Search Tips](#)

 Try this search in [The ACM Guide](#)
☐ Open results in a new window

Results 1 - 20 of 200

 Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

 Relevance scale ☐ ☐ ☐ ☐ ☐

1 [Level set and PDE methods for computer graphics](#)


 David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
 August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

 Full text available: [pdf\(17.07 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

2 [Numerical computations: its nature and research directions](#)


 J. R. Rice, C. W. Gear, J. Ortega, B. Parlett, M. Schultz, L. F. Shampine, P. Wolfe, J. F. Traub
 February 1979 **ACM SIGNUM Newsletter**, Volume 14 Issue si-1

Publisher: ACM Press

 Full text available: [pdf\(4.43 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

This report on research in numerical computation is part of the Computer Science and Engineering Research Study (COSERS) which is aimed at technically educated people outside the Computer Science field. This goal led the panel to face many difficult choices between precise, but excessively technical, descriptions and looser, but more accessible expositions. The panel hopes that all readers will keep this in mind.

3 [Symbolic-interval cooperation in constraint programming](#)


 Laurent Granvilliers, Eric Monfroy, Frédéric Benhamou
 July 2001 **Proceedings of the 2001 international symposium on Symbolic and algebraic computation**

Publisher: ACM Press


 Full text available: [pdf\(1.54 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper surveys the field of cooperative constraint solving for a constraint programming perspective with an emphasis on combinations of symbolic and interval methods. On the one hand, symbolic methods provide adapted representations of the constraint expressions. On the other hand, interval methods compute verified enclosures of solution sets. Using cooperation of solvers, one can take advantage of both techniques

in a unified framework: symbolic algorithms generally need to be combined w ...

Keywords: constraint solving, interval arithmetic, symbolic computation

4 Geometric completion of differential systems using numeric-symbolic continuation

 Greg Reid, Chris Smith, Jan Verschelde
June 2002 **ACM SIGSAM Bulletin**, Volume 36 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(1.32 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Symbolic algorithms using a finite number of exact differentiations and eliminations are able to reduce over and under-determined systems of polynomially nonlinear differential equations to involutive form. The output involutive form enables the identification of consistent initial values, and eases the application of exact or numerical integration methods. Motivated to avoid expression swell of pure symbolic approaches and with the desire to handle systems with approximate coefficients, we propo ...

5 Clustering and singular value decomposition for approximate indexing in high dimensional spaces

 Alexander Thomasian, Vittorio Castelli, Chung-Sheng Li
November 1998 **Proceedings of the seventh international conference on Information and knowledge management**

Publisher: ACM Press

Full text available:  [pdf\(1.12 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

6 An Adaptive Nonlinear Least-Squares Algorithm

 John E. Dennis, David M. Gay, Roy E. Walsh
September 1981 **ACM Transactions on Mathematical Software (TOMS)**, Volume 7 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(1.39 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

7 GAMS: a framework for the management of scientific software

 Ronald F. Boisvert, Sally E. Howe, David K. Kahaner
December 1985 **ACM Transactions on Mathematical Software (TOMS)**, Volume 11 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(2.83 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The Guide to Available Mathematical Software (GAMS) provides a framework for both a scientist-end-user and a librarian-maintainer to deal with large quantities of mathematical and statistical software. This framework includes a classification scheme for mathematical and statistical software, a database system to manage information about this software, and both an on-line interactive consulting system and a printed catalog for providing users with access to this information. A description is ...

8 Gross motion planning—a survey

 Yong K. Hwang, Narendra Ahuja
September 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(6.40 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Motion planning is one of the most important areas of robotics research. The complexity of the motion-planning problem has hindered the development of practical algorithms. This paper surveys the work on gross-motion planning, including motion planners for point robots, rigid robots, and manipulators in stationary, time-varying, constrained, and movable-object environments. The general issues in motion planning are explained. Recent approaches and their performances are briefly described, a ...

Keywords: collision detection, computational geometry, implementation, motion planning, obstacle avoidance, path planning, spatial representation

9 GPGPU: general purpose computation on graphics hardware



David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aaron Lefohn

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: [pdf\(63.03 MB\)](#) Additional Information: [full citation](#), [abstract](#)

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely powerful and flexible processor. The latest graphics architectures provide tremendous memory bandwidth and computational horsepower, with fully programmable vertex and pixel processing units that support vector operations up to full IEEE floating point precision. High level languages have emerged for graphics hardware, making this computational power accessible. Architecturally, GPUs are highly parallel s ...

10 Session 15B: Tensor decomposition and approximation schemes for constraint satisfaction problems



W. Fernandez de la Vega, Marek Karpinski, Ravi Kannan, Santosh Vempala

May 2005 **Proceedings of the thirty-seventh annual ACM symposium on Theory of computing**

Publisher: ACM Press

Full text available: [pdf\(173.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The only general class of MAX-rCSP problems for which Polynomial Time Approximation Schemes (PTAS) are known are the dense problems. In this paper, we give PTAS's for a much larger class of weighted MAX-rCSP problems which includes as special cases the dense problems and, for $r = 2$, all metric instances (where the weights satisfy the triangle inequality) and quasimetric instances; for $r > 2$, our class includes a generalization of metrics. Our algorithms are based on low-rank approximations wi ...

Keywords: approximation scheme, tensor decomposition

11 A survey of methods for recovering quadrics in triangle meshes



Sylvain Petitjean

June 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 2

Publisher: ACM Press

Full text available: [pdf\(3.91 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In a variety of practical situations such as reverse engineering of boundary representation from depth maps of scanned objects, range data analysis, model-based recognition and algebraic surface design, there is a need to recover the shape of visible surfaces of a dense 3D point set. In particular, it is desirable to identify and fit simple surfaces of known type wherever these are in reasonable agreement with the data. We are interested in the class of quadric surfaces, that is, algebraic surfa ...

Keyw rds: Data fitting, geometry enhancement, local geometry estimation, mesh fairing, shape recovery

12 An Evaluation of Mathematical Software That Solves Systems of Nonlinear Equations



K. L. Hiebert

March 1982 **ACM Transactions on Mathematical Software (TOMS)**, Volume 8 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(1.06 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


13 A Fortran 90 environment for research and prototyping of enclosure algorithms for nonlinear equations and global optimization



R. Baker Kearfott

March 1995 **ACM Transactions on Mathematical Software (TOMS)**, Volume 21 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(1.04 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

An environment for general research into and prototyping of algorithms for reliable constrained and unconstrained global nonlinear optimization and reliable enclosure of all roots of nonlinear systems of equations, with or without inequality constraints, is being developed. This environment should be portable, easy to learn, use, and maintain, and sufficiently fast for some production work. The motivation, design principles, uses, and capabilities for this environment are outlined. The envi ...

Keywords: Fortran 90, automatic differentiation, global optimization, nonlinear algebraic systems, symbolic computation

14 Kernel independent component analysis

Francis R. Bach, Michael I. Jordan

March 2003 **The Journal of Machine Learning Research**, Volume 3

Publisher: MIT Press

Full text available:  [pdf\(561.46 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present a class of algorithms for independent component analysis (ICA) which use contrast functions based on canonical correlations in a reproducing kernel Hilbert space. On the one hand, we show that our contrast functions are related to mutual information and have desirable mathematical properties as measures of statistical dependence. On the other hand, building on recent developments in kernel methods, we show that these criteria and their derivatives can be computed efficiently. Minimizi ...

Keywords: Stiefel manifold, blind source separation, canonical correlations, gram matrices, incomplete Cholesky decomposition, independent component analysis, integral equations, kernel methods, mutual information, semiparametric models

15 Multiple-view geometry for image-based modeling



Jana Kořecká, Yi Ma, Stefano Soatto, René Vidal

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available:  [pdf\(23.14 MB\)](#) Additional Information: [full citation](#), [abstract](#)

This course presents the state of the art in multiple-view geometry, including methods and algorithms for reconstructing 3-D geometric models of scenes from video or photographs. This course is based on a novel approach to multiple-view geometry that only requires linear algebra, as opposed to more involved projective and algebraic geometry that most current methods employ. This new approach aims to make image-based modeling techniques accessible to a larger audience compared to existing ones.
T ...

16 Projectors: advanced graphics and vision techniques



Ramesh Raskar

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available:  [pdf\(6.53 MB\)](#) Additional Information: [full citation](#)

17 Think globally, fit locally: unsupervised learning of low dimensional manifolds

Lawrence K. Saul, Sam T. Roweis

December 2003 **The Journal of Machine Learning Research**, Volume 4

Publisher: MIT Press

Full text available:  [pdf\(2.91 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The problem of dimensionality reduction arises in many fields of information processing, including machine learning, data compression, scientific visualization, pattern recognition, and neural computation. Here we describe locally linear embedding (LLE), an unsupervised learning algorithm that computes low dimensional, neighborhood preserving embeddings of high dimensional data. The data, assumed to be sampled from an underlying manifold, are mapped into a single global coordinate system of low dimensionality.

18 Modeling, simulation, sensitivity analysis, and optimization of hybrid systems



Paul I. Barton, Cha Kun Lee

October 2002 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 12 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(383.14 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Hybrid (discrete/continuous) systems exhibit both discrete state and continuous state dynamics which interact to such a significant extent that they cannot be decoupled and must be analyzed simultaneously. We present an overview of the work that has been done in the modeling, simulation, sensitivity analysis, and optimization of hybrid systems, paying particular attention to the interaction between discrete and continuous dynamics. A concise intuitive framework for hybrid system modeling is presented.

Keywords: Hybrid automata, combined discrete/continuous simulation, consistent reinitialization, discontinuities, sensitivity analysis, state events, transitions

19 Evolutionary computation and optimization (ECO): Experiments with UNA for solving linear constraints in real variables



Neelam Gupta, YongJun Cho, Mohammad Z. Hossain

March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available:  [pdf\(229.19 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Linear constraints arise in formulation of several computationally challenging problems such as weather modeling, underground water modeling, air pollution modeling etc. The constraints may correspond to multiple observations that place upper or lower bounds on linear combinations of variables. Computing a feasible solution or solving these inequalities in least squares sense is a fundamental problem in many applications. In this paper, we present a strikingly simple numerical algorithm called UN ...

Keywords: least squares solution, linear inequalities, linear programming, numerical algorithms

20 [A survey on wavelet applications in data mining](#)



Tao Li, Qi Li, Shenghuo Zhu, Mitsunori Ogihara

December 2002 **ACM SIGKDD Explorations Newsletter**, Volume 4 Issue 2

Publisher: ACM Press

Full text available: [pdf\(330.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Recently there has been significant development in the use of wavelet methods in various data mining processes. However, there has been written no comprehensive survey available on the topic. The goal of this is paper to fill the void. First, the paper presents a high-level data-mining framework that reduces the overall process into smaller components. Then applications of wavelets for each component are reviewed. The paper concludes by discussing the impact of wavelets on data mining research an ...

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads: [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#) [Real Player](#)



Welcome United States Patent and Trademark Office

☐ Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "((svd<in>metadata) <and> (c nstraint<in>m tadata))<and> (n nlinear<..."

☒ e-mail

Your search matched 4 of 1351285 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

[View Session History](#)[New Search](#)

Modify Search

☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

☒ [view selected items](#)
[Select All](#)
[Deselect All](#)

- ☐ 1. **Space-time treatment of inverse bioelectric field problems**
 Greensite, F.;
Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd Annual International Conference of the IEEE
 Volume 3, 23-28 July 2000 Page(s):1632 - 1634 vol.3
 Digital Object Identifier 10.1109/IEMBS.2000.900388
[AbstractPlus](#) | Full Text: [PDF\(308 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 2. **Nonlinear Modeling and 3D Reconstruction from Un-calibrated Multiple Views**
 Zhong-Gen Yang; Yu-Hong Liu;
Neural Networks and Brain, 2005. ICNN&B '05. International Conference on
 Volume 2, 13-15 Oct. 2005 Page(s):1227 - 1232
[AbstractPlus](#) | Full Text: [PDF\(1648 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 3. **Motion estimation in computer vision: optimization on Stiefel manifolds**
 Ma, Y.; Kosecka, J.; Sastry, S.;
Decision and Control, 1998. Proceedings of the 37th IEEE Conference on
 Volume 4, 16-18 Dec. 1998 Page(s):3751 - 3756 vol.4
 Digital Object Identifier 10.1109/CDC.1998.761802
[AbstractPlus](#) | Full Text: [PDF\(444 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 4. **Rank-adaptive signal processing (RASP) a subspace approach to biologic signal analysis .II. Applications**
 Semmani, R.J.; Womack, B.F.; Barr, R.E.;
Signals, Systems and Computers, 2000. Conference Record of the Thirty-Fourth Annual Conference on
 Volume 2, 29 Oct.-1 Nov. 2000 Page(s):1878 - 1882 vol.2
 Digital Object Identifier 10.1109/ACSSC.2000.911313
[AbstractPlus](#) | Full Text: [PDF\(340 KB\)](#) IEEE CNF
[Rights and Permissions](#)




[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

☐ Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "((singular value decomposition<in>metadata) <and> (constraint<in>metadata))&..."

☐ e-mail

Your search matched 7 of 1351285 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

[View Session History](#)
[New Search](#)

Modify Search

☐ Check to search only within this results set
Display Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

- ☐ 1. **Estimation with bilinear constraints in computer vision**
 Leedan, Y.; Meer, P.;
[Computer Vision, 1998. Sixth International Conference on](#)
 4-7 Jan. 1998 Page(s):733 - 738
 Digital Object Identifier 10.1109/ICCV.1998.710799
[AbstractPlus](#) | Full Text: [PDF\(592 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 2. **A differential method for computing local shape-from-texture for planar a surfaces**
 Malik, J.; Rosenholtz, R.;
[Signals, Systems and Computers, 1993. 1993 Conference Record of The Twenty-First Asilomar Conference on](#)
 1-3 Nov. 1993 Page(s):543 - 547 vol.1
 Digital Object Identifier 10.1109/ACSSC.1993.342575
[AbstractPlus](#) | Full Text: [PDF\(368 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 3. **Estimating the fundamental matrix via constrained least-squares: a constrained least-squares approach**
 Chesi, G.; Garulli, A.; Vicino, A.; Cipolla, R.;
[Pattern Analysis and Machine Intelligence, IEEE Transactions on](#)
 Volume 24, Issue 3, March 2002 Page(s):397 - 401
 Digital Object Identifier 10.1109/34.990139
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(724 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 4. **On mobile robot localization from landmark bearings**
 Shimshoni, I.;
[Robotics and Automation, 2001. Proceedings 2001 ICRA. IEEE International Conference on](#)
 Volume 4, 2001 Page(s):3605 - 3611 vol.4
 Digital Object Identifier 10.1109/ROBOT.2001.933177
[AbstractPlus](#) | Full Text: [PDF\(492 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 5. **Rank-adaptive signal processing (RASP) a subspace approach to blind signal processing**
 Semmani, R.J.; Womack, B.F.; Barr, R.E.;
[Signals, Systems and Computers, 2000. Conference Record of the Thirty-Fourth Annual Asilomar Conference on](#)

[Conference on](#)

Volume 2, 29 Oct.-1 Nov. 2000 Page(s):1878 - 1882 vol.2

Digital Object Identifier 10.1109/ACSSC.2000.911313

[AbstractPlus](#) | Full Text: [PDF](#)(340 KB) [IEEE CNF](#)

[Rights and Permissions](#)



6. Space-time treatment of inverse bioelectric field problems

Greensite, F.;

[Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd Annual International Conference of the IEEE](#)

Volume 3, 23-28 July 2000 Page(s):1632 - 1634 vol.3

Digital Object Identifier 10.1109/IEMBS.2000.900388

[AbstractPlus](#) | Full Text: [PDF](#)(308 KB) [IEEE CNF](#)

[Rights and Permissions](#)



7. Motion estimation in computer vision: optimization on Stiefel manifolds

Ma, Y.; Kosecka, J.; Sastry, S.;

[Decision and Control, 1998. Proceedings of the 37th IEEE Conference on](#)

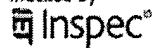
Volume 4, 16-18 Dec. 1998 Page(s):3751 - 3756 vol.4

Digital Object Identifier 10.1109/CDC.1998.761802

[AbstractPlus](#) | Full Text: [PDF](#)(444 KB) [IEEE CNF](#)

[Rights and Permissions](#)

Indexed by



[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2006 IEEE –

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	28	broomhead.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 17:28
L2	5	broomhead.in. (singular adj value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 17:28
S1	5	macauslan.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:33
S2	16	(speech and technology).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/23 09:22
S3	238	manifold with tangent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/23 09:22
S4	17	(manifold with tangent) matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/05/23 09:33
S5	2	"6167155".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/05/23 09:33

EAST Search History

S6	26	("5122873" "5227878" "5353061" "5479264" "5488419" "5493345" "5510839" "5515114" "5532746" "5600375" "5627590" "5642239" "5682204" "5724100" "5751378" "5793895" "5835163" "5844628" "5847767" "6008847").PN. OR ("6167155"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/23 09:37
S7	78	audio system response tangent manifold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/23 09:37
S8	28	broomhead.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/23 14:00
S9	1805	703/2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/26 13:33
S10	69	703/2.ccls. (singular adj value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 13:42
S11	5	703/2.ccls. ((singular adj value) same (nonlinear or non-linear or (non adj linear)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 13:44
S12	2	702/109.ccls. ((singular adj value) same (nonlinear or non-linear or (non adj linear)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 14:12

EAST Search History

S13	2	702/108-126.ccls. ((singular adj value) same (nonlinear or non-linear or (non adj linear)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 13:47
S14	15	702/108-126.ccls. (singular adj value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 13:47
S15	11	702/108-126.ccls. (singular adj value) (nonlinear or non-linear or (non adj linear))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 13:54
S16	3687	702/108-126.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 13:55
S17	2685	700/28-29.ccls. or 700/31.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 13:55
S18	45	(700/28-29.ccls. or 700/31.ccls.) (singular adj value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 13:56
S19	27	(700/28-29.ccls. or 700/31.ccls.) (singular adj value) (nonlinear or non-linear or (non adj linear))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 13:56
S20	103	((singular adj value) same (nonlinear or non-linear or (non adj linear)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 14:13

EAST Search History

S21	6	((singular adj value) same (nonlinear or non-linear or (non adj linear))) tangent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 14:14
S22	24	((singular adj value) same (nonlinear or non-linear or (non adj linear))) gradient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 15:31
S23	81	((singular adj value) same (nonlinear or non-linear or (non adj linear))) (neighborhood or area or region)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 15:31
S24	38	((singular adj value) same (nonlinear or non-linear or (non adj linear))) (neighborhood or area or region) constraint	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/26 17:27

Kimberly.Thornewell@gmail.c m | [My Account](#) | [Sign out](#)



"singular value decomposition" nonlinear cons Search

Results 11 - 20 of about 141,000 for "singular value decomposition" nonlinear constraint.

► Web

[Images](#)

[Groups](#)

[News](#)

[Froogle](#)

[Maps](#)

[Books](#)

[more »](#)

[Advanced Search](#)
[Preferences](#)

[The Department of Computational & Applied Mathematics at Rice ...](#)

Key words: Robust optimization, **nonlinear** programming, first-order robustness, ... Normal Modes, **Singular Value Decomposition**, Symmetry **Constraints**, ...
www.caam.rice.edu/caam/trs/2006_abstracts.html - 14k - May 24, 2006 -
[Cached](#) - [Similar pages](#)
[[More results from www.caam.rice.edu](#)]

[Linear and Non-Linear Algebra Methods and Objects](#)

where O is some **non-linear** operator. Classes and methods used to determine x for ... to perform the decomposition SVdecomp **Singular value decomposition**; ...
aips2.nrao.edu/docs/notes/160/node3.html - 18k - [Cached](#) - [Similar pages](#)

[Tamara G. Kolda - Publications](#)

We also discuss extensions to problems with **nonlinear constraints**. ... Keywords: tensor decomposition, **singular value decomposition**, principal components ...
csmr.ca.sandia.gov/~tgkolda/pubs.html - 75k - [Cached](#) - [Similar pages](#)

[A. Arithmetic, error analysis A1. Integer A2. Rational A3. Real ...](#)

Singular value decomposition D7. Update matrix decompositions D7A. LU D7B. Cholesky D7C. ... **Nonlinear constraints** G2H3A. Equality **constraints** only G2H3A1. ...
www.netlib.org/slatec/gams - 24k - [Cached](#) - [Similar pages](#)

[singular value decomposition: Information From Answers.com](#)

singular value decomposition In linear algebra , **singular value** ... These perturbations are then run through the full **nonlinear** model to generate an ...
www.answers.com/topic/singular-value-decomposition - 57k - [Cached](#) - [Similar pages](#)

[\[PPT\] CS 223-B Lecture 1](#)

File Format: Microsoft Powerpoint - [View as HTML](#)
Calibration: Problem definition; Solution via **Singular Value Decomposition**; Solution by **nonlinear** Least Squares; Distortion ...
cs223b.stanford.edu/notes/ CS%20223-B%20L4%20Calibration.ppt - [Similar pages](#)

[Alan Miller's Fortran Software](#)

Added the **singular-value decomposition** (SVD) code from the NSWCLibrary. ... for minimization of **non-linear** functions with smooth **non-linear constraints**, ...
users.bigpond.net.au/amiller/ - 45k - [Cached](#) - [Similar pages](#)

[Keywords - Alpha List](#)

linear equality **constraints**, linear inequality **constraints**, **nonlinear** equality **constraints**, **nonlinear** inequality **constraints**, bounds, Constrained Maximum ...
www.aptech.com/keyword.html - 55k - [Cached](#) - [Similar pages](#)

[com.imsl.math \(JMSL Numerical Library\)](#)

MinConGenLin, Minimizes a general objective function subject to linear equality/inequality **constraints**. MinConNLP, General **nonlinear** programming solver. ...
www.vni.com/products/imsl/jmsl/ v30/api/com/imsl/math/package-summary.html - 38k -
[Cached](#) - [Similar pages](#)

[\[PDF\] Reverse engineering gene networks using singular value ...](#)

File Format: PDF/Adobe Acrobat

It uses **singular value decomposition** to construct a family of ... Schematic of a **nonlinear** gene network with a random structure. ...
www.pnas.org/cgi/reprint/99/9/6163.pdf - [Similar pages](#)



Result Page: [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [Next](#)

[Search Tips](#) | [Dissatisfied?](#) [Help us improve](#)

©2006 [Google Home](#) - [Advertise with Us](#) - [Business Solutions](#) - [About Google](#)

Kimberly.Thornewell@gmail.com | [My Account](#) | [Sign out](#)



"singular value decomposition" nonlinear

Search

Results 11 - 20 of about 257,000 for "singular value decomposition" nonlinear.

► Web

[Images](#)

[Groups](#)

[News](#)

[Froogle](#)

[Maps](#)

[Books](#)

[more »](#)

[Advanced Search](#)
[Preferences](#)

[PDF] The Bidiagonal Singular Value Decomposition and Hamiltonian Mechanics

File Format: PDF/Adobe Acrobat

We consider computing the **singular value decomposition** of a bidiagonal matrix ...

Nonlinear Poisson structures and. r. -matrices. Comm. ...

www.netlib.org/lapack/lawnspdf/lawn11.pdf - [Similar pages](#)

Citebase - Singular Value Decomposition and Principal Component ...

Singular value decomposition and principal component analysis 17 ... G/A, Garcia AE

Large-Amplitude **Nonlinear** Motions in Proteins. Phys Rev Lett 1992; ...

citebase.eprints.org/cgi-bin/ citations?id=oai:arXiv.org:physics/0208101 - 44k -

Cached - [Similar pages](#)

Complex Singular Value Decomposition Analysis of Equatorial Waves ...

The complex **singular value decomposition** (CSVD) method is applied to decompose ... In addition, the **nonlinear** behavior of equatorial waves has been studied ...

ams.allenpress.com/.../?request=get-document& doi=10.1175%2F1520-0426(1998)015%2F030764:CSVDAO%3E2.0.CO%3B2 - [Similar pages](#)

[PPT] CS 223-B Lecture 1

File Format: Microsoft Powerpoint - [View as HTML](#)

Calibration: Problem definition; Solution via **Singular Value Decomposition**; Solution by

nonlinear Least Squares; Distortion ...

cs223b.stanford.edu/notes/ CS%20223-B%20L4%20Calibration.ppt - [Similar pages](#)

Phys. Rev. A 38, 3017 (1988): Albano et al. - Singular-value ...

Singular-value decomposition and the Grassberger-Procaccia algorithm ... DS

Broomhead and GP King, Physica 20D, 217 (1986); in **Nonlinear** Phenomena and

Chaos ...

link.aps.org/doi/10.1103/PhysRevA.38.3017 - [Similar pages](#)

[PDF] SVDMAN -- Singular value decomposition analysis of microarray data

File Format: PDF/Adobe Acrobat - [View as HTML](#)

confidence; threshold group membership, **singular value decomposition** ... Garcia A.

(1992) Large-amplitude **nonlinear** motions in proteins. Phys Rev Lett, 68, ...

public.lanl.gov/svdman/WALL-BIOINFORMATICS-2001.pdf - [Similar pages](#)

[Paper] Singular Value Decomposition Image Compression System for ...

To compress the images we use the **Singular Value Decomposition** (SVD) transform, ...

Feature Preserving Lossy Image Compression Using **Nonlinear** PDE's, ...

www.actapress.com/PDFViewer.aspx?paperId=22745 - [Similar pages](#)

Fast singular value decomposition combined maximum entropy method ...

The conventional maximum entropy method deals with a **nonlinear** constrained ... In

particular, the truncated **singular value decomposition** (TSVD) was used for ...


link.aip.org/link/?RSINAK/77/023506/1 - [Similar pages](#)

PNAS -- Abstracts: Yeung et al. 99 (9): 6163

Reverse engineering gene networks using **singular value decomposition** and robust ...

Response experiments for **nonlinear** systems with application to reaction ...

www.pnas.org/cgi/content/abstract/99/9/6163 - [Similar pages](#)

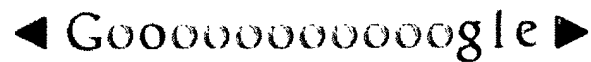
 [Single Value Decomposition For Stability Analysis of Nonlinear ...](#)

File Format: PDF/Adobe Acrobat - View as HTML

In **n** **onlinear** analysis of fluid mechanics problems, small amplitude oscillations near the Hopf bifurcation ... Application of **Singular Value Dec mp sition** ...

[journals.tubitak.gov.tr/engineering/ issues/muh-99-23-6/muh-23-6-1-97058.pdf](#) -

[Similar pages](#)



Result Page: [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [Next](#)

[Search Tips](#) | [Dissatisfied?](#) [Help us improve](#)

©2006 [Google Home](#) - [Advertise with Us](#) - [Business Solutions](#) - [About Google](#)

Kimberly.Th rnewell@gmail.com | [My Account](#) | [Sign out](#)

Google

singular value decomposition

Search

Results 1 - 10 of about 2,990,000 for **singular value decomposition**.

► Web

[Images](#)[Groups](#)[News](#)[Froogle](#)[Maps](#)[Books](#)[more »](#)[Advanced Search](#)
[Preferences](#)**Singular Value Decomposition -- From MathWorld**

Singular value decomposition is implemented in Mathematica as ... Golub, GH and Van Loan, CF "The **Singular Value Decomposition**" and "Unitary Matrices. ...
mathworld.wolfram.com/SingularValueDecomposition.html - 27k - [Cached](#) - [Similar pages](#)

Singular Value Decomposition

The **Singular Value Decomposition (SVD)** is a topic rarely reached in undergraduate linear algebra courses and often skipped over in graduate courses. ...
www.uwlax.edu/faculty/will/svd/index.html - 5k - [Cached](#) - [Similar pages](#)

Singular Value Decomposition (SVD) tutorial

Singular Value Decomposition (SVD) tutorial. BE.400 / 7.548. **Singular value decomposition** takes a rectangular matrix of gene expression data (defined as A, ...
web.mit.edu/be.400/www/SVD/Singular_Value_Decomposition.htm - 35k -
[Cached](#) - [Similar pages](#)

Singular Value Decomposition (SVD)

... close to **singular** is the so-called **singular value decomposition (SVD)**. **SVD** allows one to diagnose the problems in a given matrix and provides numerical ...
kwon3d.com/theory/jkinem/svd.html - 14k - [Cached](#) - [Similar pages](#)

Singular value decomposition - Wikipedia, the free encyclopedia

In linear algebra, **singular value decomposition (SVD)** is an important factorization of ...
Singular values, **singular** vectors, and their relation to the **SVD** ...
en.wikipedia.org/wiki/Singular_value_decomposition - 44k - [Cached](#) - [Similar pages](#)

Singular value decomposition and principal component analysis

The equation for **singular value decomposition** of X is the following: ... Note that for a square, symmetric matrix X, **singular value decomposition** is ...
public.lanl.gov/mewall/kluwer2002.html - 86k - [Cached](#) - [Similar pages](#)

[PDF] 2.6 Singular Value Decomposition

File Format: PDF/Adobe Acrobat - [View as HTML](#)

the use of **SVD** in this application to Chapter 15, whose subject is the parametric ... The **SVD decomposition** can also be carried out when $M < N$. In this case ...
www.library.cornell.edu/nr/bookcpdf/c2-6.pdf - [Similar pages](#)

Algorithm of Singular Value Decomposition

To find the **singular value decomposition** of the matrix tex2html_wrap_inline7037 one has to: I Find the eigenvalues of the matrix ATA and arrange them in ...
www.cs.ut.ee/~toomas_l/linalg/lin2/node14.html - 16k - [Cached](#) - [Similar pages](#)

Singular Value Decomposition

The **singular value decomposition (SVD)** of A is the factorization $A=U \Sigma$... Table 2.12: Computational routines for the **singular value decomposition** ...
www.netlib.org/lapack/lug/node53.html - 17k - [Cached](#) - [Similar pages](#)

Singular Value Decomposition

Singular Value Decomposition. ... **Singular Value Decomposition**. Often abbreviated **SVD**: any (m,n) matrix can be decomposed into: ...
rkb.home.cern.ch/rkb/AN16pp/node265.html - 4k - [Cached](#) - [Similar pages](#)

Google

Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

singular value decomposition Search

[Search Tips](#) | [Dissatisfied?](#) [Help us improve](#)

©2006 [Google Home](#) - [Advertise with Us](#) - [Business Solutions](#) - [About Google](#)